

CONTRACT

SPECIAL PROVISIONS

Project No.: SP-0028(60)16

Name: SR-28, NORTH OF GUNNISON

County: SANPETE

Bid Opening: APRIL 15, 2003

Date



2002 - U.S. Standard Units (Inch-Pound Units)

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 - 1. List all Special Provisions here by Section Number, Title format. (After entering each item press the Enter key. Paragraph number should automatically increment. Delete all text in this item before entering Special Provision information.)

I. 2002 Standard Specifications

The State of Utah Standard Specifications for Road and Bridge Construction, U.S. Standard Units (Inch Pound Units) CSI Format, Edition of 2002 with Changes One and Two included applies on this project.

II. List of Revised Standard Specifications

Change One – Included in 2002 Standard Specifications

Revised August 29, 2002

Section 00570 Articles 1.2 A 69, A 71 b (deleted)
Section 00727 Articles 1.1 D; 1.5 B; 1.9; 1.10; 1.16 B, C; 1.18 B
Section 01574 Articles 1.2 B
Section 02721 Articles 1.2 D (added), H (replaced), I (deleted); 1.6 B1; 2.1 A Table 3; 3.2 C
Section 02741 Articles 3.8 E 2 a, b
Section 02821 Articles 3.1 A
Section 02892 Articles 1.5 A, B
Section 02936 Articles 1.4; 1.5 C
Section 03152 Articles 1.2 P, Q; 2.2 A, B
Section 05120 Articles 1.4 A (deleted), 3.3 A
Section 16525 Articles 1.6 A, B

Change Two – Included in 2002 Standard Specifications

Revised December 19, 2002

Section 01561 Article 3.1 A
Section 02075 Article 2.7 A
Section 02372 Article 2.1 A 4
Section 02455 Article 3.3 B 2
Section 02785 Article 3.2 C
Section 02861 Article 3.3 A
Section 03055 Articles 1.2 P (inserted), 2.3 B, 2.4 (deleted), 2.7 A 1 a-e (added), 2.7 B 2 (added), 2.8 A 1 a, 2.8 A 2 (deleted), 2.9 A3, 3.2 A Table, 3.2 C, 3.7 A 3, 3.8 C 1, 3.9 A-B, 3.10, 3.11 B 1, 3.11 B 3
Section 07922 Article 2.1 Table 1

III. List of Revised Standard Drawings

Change One

Revised December 19, 2002

AT 7	Polymer Concrete Junction Box Details	12/19/2002
BA 1A	Precast Concrete Full Barrier Standard Section	12/19/2002
BA 1B	Precast Concrete Full Barrier Standard Section	12/19/2002
BA 3	Cast In Place Constant Slope Barrier	12/19/2002
BA 4B	Beam Guardrail Installations	12/19/2002
BA 4C	Beam Guardrail Anchor Type I	12/19/2002
CC 6	Crash Cushion Type E Sand Barrel Details	12/19/2002
DG 3	Maximum Fill Height and End Sections for HDPE And PVC Pipes	12/19/2002
DG 4	Pipe Culverts Minimum Cover	12/19/2002
EN 4	Temporary Erosion Control (Drop-Inlet Barriers)	12/19/2002
GW 1	Raised Median and Plowable End Section	12/19/2002
PV 2	Pavement Approach Slab Details	12/19/2002
SL 13	Traffic Counting Loop Detector Details	12/19/2002
SN 2	Flashing School Sign	12/19/2002
SN 4	Flashing Stop Sign	12/19/2002
SN 5	Typical Installation For Milepost Signs	12/19/2002
SN 8	Ground Mounted Timber Sign Post (P1)	12/19/2002
ST 1	Object Marker "T" Intersection and Pavement Transition Guidance	12/19/2002
ST 7	Pavement Markings and Signs at Railroad Crossings	12/19/2002
SW 3A	Precast Concrete Noise Wall 1 of 2	12/19/2002
SW 3B	Precast Concrete Noise Wall 2 of 2	12/19/2002
SW 4A	Precast Concrete Retaining/Noise Wall 1 of 2	12/19/2002

IV. Materials Minimum Sampling and Testing

Follow the requirements of the Current Materials Minimum Sampling and Testing Manual:

Materials Minimum Sampling and Testing Manual reference can be found from the UDOT Web Site at:

<http://www.dot.utah.gov/esd/Manuals/Materials/MaterialsSampling.htm>

For UDOT employees the Manual can also be found on the Shared Drive at: \\Shared\\Engineering Services\\Manuals\\Materials (W drive for the Complex and R drive for the Regions)

V. Notice to Contractors

Delete this line and insert Notice to Contractors on next page.



NOTICE TO CONTRACTORS

Sealed proposals will be received by the Utah Department of Transportation UDOT/DPS Building (4th Floor), 4501 South 2700 West, Salt Lake City, Utah. 84114-8220, until 2 o'clock p.m. Tuesday, April 15, 2003, and at that time the download process of bids from the USERTrust Vault to UDOT will begin, with the public opening of bids scheduled at 2:30 for SAFETY/TRAFFIC OPERATIONS of SR-28; NORTH OF GUNNISON in SANPETE County, the same being identified as State Project No: SP-0028(60)16.

Federal Regulations:

Wage Rate Non-Applicable.

Project Location: 0.58 Miles of Route: 2 from R.P. 14.9 to R.P. 15.51

The principal items of work are as follows (for all items of work see attachment):

HMA - 3/4 inch
Granular Borrow
Roadway Excavation (Plan Quantity)

The project is to be completed: in 30 Working Days.

Other Requirements:

All project bidding information, including Specifications and Plans, can be viewed, downloaded, and printed from UDOT's Project Development Construction Bid Opening Information website, <http://www.dot.utah.gov/cns/bidopeninfo.htm>. To bid on UDOT projects, bidders must use UDOT's Electronic Bid System (EBS). The EBS software and EBS training schedules are also available on this website.

Project information can also be reviewed at the main office in Salt Lake City, its Region offices, and its District offices in Price, Richfield, and Cedar City.

Project Plans cannot be downloaded or printed from the website unless your company is registered with UDOT. Go to UDOT's website to register. Unregistered companies may obtain the Specifications and Plans from the main office, 4501 South 2700 West, Salt Lake City, (801) 965-4346, for a fee of \$50.00, plus tax and mail charge, if applicable, none of which will be refunded.

As required, a contractor's license must be obtained from the Utah Department of Commerce.

Each bidder must submit a bid bond from an approved surety company on forms provided by the Department; or in lieu thereof, cash, certified check, or cashier's check for not less than 5% of the total amount of the bid, made payable to the Utah Department of Transportation, showing evidence of good faith and a guarantee that if awarded the contract, the bidder will execute the contract and furnish the contract bonds as required.

The right to reject any or all bids is reserved.

If you need an accommodation under the Americans with Disabilities Act, contact the Construction Division at (801) 965-4346. Please allow three working days.

Additional information may be secured at the office of the Utah Department of Transportation, (801) 965-4346.

Dated this 29th day of March, 2003.

UTAH DEPARTMENT OF TRANSPORTATION
John R. Njord, Director

Revised Date:

VI. EQUAL OPPORTUNITY (STATE PROJECTS)

Selection of Labor:

During the performance of this contract, the Contractor shall not discriminate against labor from any other State, possession, or territory of the United States.

Employment Practices:

During the performance of this contract, the Contractor agrees as follows:

The Contractor will not discriminate against any employee or applicant for employment because of race, religion, sex, color, national origin, age, or disability. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, national origin, age, or disability. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoffs or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provide by the State Highway Department setting forth the provisions of this nondiscrimination clause.

The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, religion, sex, color, national origin, age, or disability.

The Contractor will send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice to be provided by the State Highway Department advising the said labor union or worker' representative of the Contractors commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further State contracts.

The Contractor will include the provisions of this Section in every subcontract or purchase order so that such provision will be binding upon each Subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the State Highway Department may direct as a means of enforcing such provisions including sanctions for noncompliance.

VII. Bidding Schedule

Delete this line and insert Bidding Schedule on next page.

Utah Department of Transportation Bidder's Schedule

Bid Opening Date: 4/15/2003

Project Number: SP-0028(60)16

Project Name: SR-28; NORTH OF GUNNISON

Description: SAFETY/TRAFFIC OPERATIONS

Funding: STATE

Region: REGION 4

County: SANPETE

#	Item	Description	Quantity	Unit
10 - ROADWAY				
1	012850010	Mobilization	1	lump sum
2	015540005	Traffic Control	1	lump sum
3	015710020	Check Dam (Stone)	10	cubic yard
4	015720020	Dust Control and Watering	486	1000 gallons
5	017210010	Survey	1	lump sum
6	020560015	Granular Borrow	2828	cubic yard
7	022210080	Remove Fence	560	foot
8	022220040	Remove Asphalt Pavement	644	square yard
9	023160020	Roadway Excavation (Plan Quantity)	6570	cubic yard
10	023180020	Surface Ditch	1640	foot
11	026100074	18 inch Corrugated Steel Pipe Culvert, Class C	95	foot
12	026100078	30 inch Corrugated Steel Pipe Culvert, Class C	50	foot
13	026130030	Culvert End Sections 18 inch	3	each
14	026130050	Culvert End Sections 30 inch	2	each
15	027050010	Asphalt Pavement Sawing	28318	inch-foot
16	027210080	Untreated Base Course 3/4 inch or 1 inch Max	1435	cubic yard
17	027410060	HMA - 3/4 inch	1867	ton
18	027480010	Liquid Asphalt MC-70 or MC-250	7	ton
19	027480030	Emulsified Asphalt SS-1	2	ton
20	027650020	Pavement Message Paint	5	each
21	027650030	Remove Pavement Markings	4900	foot
22	027650050	Pavement Marking Paint	99	gallon
23	028220030	Right-of-Way Fence, Type D (Metal Post)	642	foot
24	028220105	Right-of-Way Brace Post	5	each
25	028420010	Delineator Type I	12	each
26	028420030	Delineator - Culvert Marker	3	each
27	028910010	Relocation of Sign	3	each
28	028910060	Sign Type A-I, 30 inch X 30 inch	3	each
29	029110010	Cellulose Fiber Mulch	2	acre
30	029120030	Strip and Stockpile Topsoil	484	cubic yard
31	029120040	Spread Stockpiled Topsoil	9680	square yard
32	029220010	Drill Seed	1	acre
33	029220030	Broadcast Seed	1	acre

Note: Item numbers ending with "" or "P" identify a change to the Standard Specification, Supplemental Specifications or Measurement and payment. Read all related documents carefully.

VIII. Measurement and Payment

Delete this line and insert Measurement and Payment document on next page.

MEASUREMENT AND PAYMENT

SP-0028(60)16

The Department will measure and pay for each bid item as detailed in this section.
Payment is contingent upon acceptance by the Department.

Items are listed by Specification and in tables as follows:

Item #	Bid item number	Bid Item Name	Unit of measurement and payment
Additional information goes here.			

1	012850010	Mobilization	Lump sum
	Payment	Amount Paid	When Paid
	First	The lesser of 25% of mobilization or 2.5% of contract	With first estimate
	Second	The lesser of 25% of mobilization or 2.5% of contract	With estimate following completion of 5% of contract
	Third	The lesser of 25% of mobilization or 2.5% of contract	With estimate following completion of 10% of contract
	Fourth	The lesser of 25% of mobilization or 2.5% of contract	With estimate following completion of 20% of contract
	Final	Amount bid in excess of 10% of contract price.	Upon substantial completion

2	015540005	Traffic Control	Lump Sum
Partial Payment: Based on the percentage of the project completed, excluding the cost of the traffic control.			
Payment		Amount Paid	When Paid
First Payment		2.5% of contract	With first estimate
Second Payment		2.5% of contract	With estimate following completion of 5% of contract
Third Payment		2.5% of contract	With estimate following completion of 10% of contract
Fourth Payment		2.5% of contract	With estimate following completion of 20% of contract
Final		Amount bid in excess of	Project Acceptance-Final 10% of contract price

3	015710020	Check Dam (Stone)	Cubic yard
In place.			

4	015720020	Dust Control and Watering	1000 Gallon
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5	017210010	Survey (Specialty Item)	Lump sum																		
<table><tr><td>Payment</td><td>Amount Paid</td><td>When Paid</td></tr><tr><td>First Payment</td><td>2.5% of contract</td><td>With first estimate</td></tr><tr><td>Second Payment</td><td>2.5% of contract</td><td>With estimate following completion of 5% of contract</td></tr><tr><td>Third Payment</td><td>2.5% of contract</td><td>With estimate following completion of 10% of contract</td></tr><tr><td>Fourth Payment</td><td>2.5% of contract</td><td>With estimate following completion of 20% of contract</td></tr><tr><td>Final</td><td>Amount bid in excess of 10% of contract price</td><td>Project Acceptance-Final</td></tr></table>				Payment	Amount Paid	When Paid	First Payment	2.5% of contract	With first estimate	Second Payment	2.5% of contract	With estimate following completion of 5% of contract	Third Payment	2.5% of contract	With estimate following completion of 10% of contract	Fourth Payment	2.5% of contract	With estimate following completion of 20% of contract	Final	Amount bid in excess of 10% of contract price	Project Acceptance-Final
Payment	Amount Paid	When Paid																			
First Payment	2.5% of contract	With first estimate																			
Second Payment	2.5% of contract	With estimate following completion of 5% of contract																			
Third Payment	2.5% of contract	With estimate following completion of 10% of contract																			
Fourth Payment	2.5% of contract	With estimate following completion of 20% of contract																			
Final	Amount bid in excess of 10% of contract price	Project Acceptance-Final																			

6	020560015	Granular Borrow	Cubic Yard
Computed by average end area of plan typical sections.			

7	022210080	Remove Fence	Feet
Removed			

8	022220040	Remove Asphalt Pavement	Square yard
<p>Regardless of the depth or number of courses encountered.</p> <ul style="list-style-type: none"> A. Do not measure discontinued roads within the limits of the new roadbed or roads that are disturbed in performing other items of work. B. Department will pay for material placed to cover pavements or fill depressions under "Roadway Excavation," or "Borrow." C. Quantity measured and paid is excluded from measurement and payment under "Roadway Excavation". D. Department will pay for concrete curb and concrete curb and gutter integral to the concrete pavement to be removed under "Remove Concrete Pavement." 			

9	023160020	Roadway Excavation (Plan Quantity)	Cubic yard
<ul style="list-style-type: none"> A. Plan quantity, in final position, computed by the method of average end areas. B. Department authorizes cross sections or modifications including excavation below subgrade, unstable slopes, unpreventable slides and terracing. C. Department will not measure or pay for excavation in excess of that authorized. D. The Department pays for re-handing or additional haul when it is directed in writing as "Extra Work." E. For drainage grading, include excavation of roadside on South Bound (STA. 781+60 to STA 783+75) North Bound (STA. 782+20 to STA. 783.75) F. Includes all Asphalt Removal. 			

10	023180020	Surface Ditch	Feet
A. Measured along the ditch center line, in place. B. Department pays for "Surface Ditch" as "Roadway Excavation" when the contract does not contain a pay item for "Surface Ditch."			
11	026100074	18 inch Corrugated Steel Pipe Culvert, Class C	Feet
Measured parallel to the center line from barrel end to barrel end, in place. Flatten and bury ends of existing Pipe at STA 781+05 RT 39.5 & STA 781+61 RT 38.5.			
12	026100078	30 inch Corrugated Steel Pipe Culvert, Class C	Feet
Measured parallel to the center line from barrel end to barrel end, in place.			
13	026130030	Culvert End Sections 18 inch	Each
In place.			
14	026130050	Culvert End Sections 30 inch	Each
In place			
15	027050010	Asphalt Pavement Sawing	Inch-feet
Measurement: Average depth in inches times length in feet. Payment: When no depth is shown, payment will be based on a depth of 6 inches. If the average depth exceeds the plan depth by 2 inches or more, the unit price will increase by 20 percent.			
16	027210080	Untreated Base Course 3/4 inch or 1 inch Max	Cubic yard
Computed by average end area of plan typical sections.			
17	027410020	HMA - 3/4 inch	Ton
Includes aggregates, asphalt binder, hydrated lime, other additives, etc. The Department will not pay separately for asphalt binder, hydrated lime, additives, etc.			
18	027480010	Liquid Asphalt MC-70 or MC-250	Ton
Do not measure water added in excess of the specified amount in Standard Specification 02745.			
19	027480030	Emulsified Asphalt SS-1	Ton
Do not measure water added in excess of the specified amount in Standard Specification 02745			

20	027650020	Pavement Message Paint	Each
In place, measurement - Painted Pavement Messages:			
A. Letter = one message.			
B. Arrow = one message.			
C. Multi-headed arrow = one message per arrow.			
D. School crossbars = one message per 24 inch x 10 ft bar.			
E. Crosswalk = two message per lane and two messages per shoulder.			
F. Stop Bar = one message per lane and one message per shoulder.			
G. Railroad crossing markings = seven messages per lane.			
1. 'R' = one message each (two required).			
2. 'X' = two messages.			
3. Transverse Bar = one message each (two required).			
4. Stop Bar = one message.			
Payment:			
A. The Department will not pay for removal of unauthorized, smeared, or damaged markings.			
B. Price reduction for paint application rate:			
Rate		Pay Factor	
At the specified rate		1.0	
1-10 percent below the specified rate		0.75	
11-15 percent below the specified rate		0.50	
More than 15 percent below the specified rate		May be accepted at 0.40 percent or required to be repainted.	

21	027650030	Remove Pavement Markings	Feet
Measurement for removing pavement markings: Measure per foot each line removed.			

22	027650050	Pavement Marking Paint	Gallon
In place, Payment: A. The Department will not pay for removal of unauthorized, smeared, or damaged markings. B. Price reduction for paint application rate:			
Rate		Pay Factor	
At the specified rate		1.0	
1-10 percent below the specified rate		0.75	
11-15 percent below the specified rate		0.50	
More than 15 percent below the specified rate		May be accepted at 0.40 percent or required to be repainted.	

23	027850075	Emulsified Asphalt HFMS-2P	Ton
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24	028220030	Right-of-Way Fence, Type D (Metal Post)	Feet
In place Measure parallel to the ground along the fence including line posts, less openings.			

25	028220105	Right-of-Way Brace Post	Each
In place Brace Posts include end, gate, concrete, corner or braced line posts			
26	028420010	Delineator Type I	Each
In place			
27	028420030	Delineator - Culvert Marker	Each
In place			
28	028910010	Relocation of Sign	Each
In place, includes removal and disposal of existing concrete sign base.			
29	028910060	Sign Type A-1, 30 inch X 30 inch	Each
In place			
30	029110010	Cellulose Fiber Mulch	Acre
31	029120030	Strip and stockpile topsoil	Cubic Yard
In stockpile			
32	029120040	Spread Stockpile topsoil	Square Yard
In place			
33	029220010	Drill Seed	Acre
In place			
34	029220030	Broadcast Seed	Acre
In place			

IX. PDBS Project Summary Report

Delete this line and insert PDBS Project Summary Report on next page.

Summary Report
Project: SP-0028(60)16
SR-28; NORTH OF GUNNISON

Version: 1

Detail	Alt Group	Alt #	Description	Qty	Unit
10 - ROADWAY	0	0			
Item Number	Description		Qty	Unit	
012850010	Mobilization		1	Lump	
015540005	Traffic Control		1	Lump	
015710020	Check Dam (Stone)		10	cu yd	
015720020	Dust Control and Watering		486	1000 gal	
017210010	Survey		1	Lump	
020560015	Granular Borrow		2,828	cu yd	
022210080	Remove Fence		560	ft	
022220040	Remove Asphalt Pavement		644	sq yd	
023160020	Roadway Excavation (Plan Quantity)		6,570	cu yd	
023180020	Surface Ditch		1,640	ft	
026100074	18 inch Corrugated Steel Pipe Culvert, Class C		95	ft	
026100078	30 inch Corrugated Steel Pipe Culvert, Class C		50	ft	
026130030	Culvert End Sections 18 inch		3	Each	
026130050	Culvert End Sections 30 inch		2	Each	
027050010	Asphalt Pavement Sawing		28,318	in-ft	
027210080	Untreated Base Course 3/4 inch or 1 inch Max		1,435	cu yd	
027410060	HMA - 3/4 inch		1,867	Ton	
027480010	Liquid Asphalt MC-70 or MC-250		7	Ton	
027480030	Emulsified Asphalt SS-1		2	Ton	
027650020	Pavement Message Paint		5	Each	
027650030	Remove Pavement Markings		4,900	ft	
027650050	Pavement Marking Paint		99	gal	
028220030	Right-of-Way Fence, Type D (Metal Post)		642	ft	
028220105	Right-of-Way Brace Post		5	Each	
028420010	Delineator Type I		12	Each	
028420030	Delineator - Culvert Marker		3	Each	
028910010	Relocation of Sign		3	Each	
028910060	Sign Type A-I, 30 inch X 30 inch		3	Each	
029110010	Cellulose Fiber Mulch		2	Acre	

Summary Report
Project: SP-0028(60)16
SR-28; NORTH OF GUNNISON

Version: 1

Detail	Alt Group	Alt #	Description		
10 - ROADWAY	0	0			
Item Number	Description			Qty	Unit
029120030	Strip and Stockpile Topsoil			484	cu yd
029120040	Spread Stockpiled Topsoil			9,680	sq yd
029220010	Drill Seed			1	Acre
029220030	Broadcast Seed			1	Acre

X. PDBS Detailed Stationing Summaries Report

Delete this line and insert PDBS Detailed Stationing Summaries Report on next page.

Detailed Report
SP-0028(60)16
SR-28; NORTH OF GUNNISON

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0

Item Number	Description					Use Qty	Unit
015710020	Check Dam (Stone)					10	cu yd
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
RD-1	765+18	52.00 LT			2.0		
RD-1	769+16	62.00 LT			2.0		
RD-3	780+59	45.00 RT			2.0		
RD-3	783+27	63.00 LT			2.0		
RD-3	786+27	45.00 LT			2.0		
					10.0		
015720020	Dust Control and Watering					486	1000 gal
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80		793+20		135,000.0	DUST CONTROL & WATERING (5300 gal/day)	
NB	763+80		793+20		43,320.0	UNTREATED BASE COURSE (38 gal/cu yard)	
NB	763+80		793+20		247,207.0	EMBANK OR EXCAV & BORROW (43 gal/cu yard)	
SB	775+20		781+19.81		29,885.0	EMBANK OR EXCAV & BORROW (43 gal/cu yard)	
SB	775+20		781+19.81		5,472.0	UNTREATED BASE COURSE (38 gal/cu yard)	
SB	775+20		781+19.81		25,000.0	DUST CONTROL & WATERING (5300 gal/day)	
					485,884.0		
020560015	Granular Borrow					2,828	cu yd
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80	LT	793+20	LT	2,461.262	GB unit weight=140 lb/sq ft.	
SB	775+20	RT	781+19.81	RT	366.808	GB unit weight=140 lb/sq ft.	
					2,828.07		
022210080	Remove Fence					560	ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
RD-4	787+80	LT	793+40	LT	560.0		
					560.0		

Detailed Report
SP-0028(60)16
SR-28; NORTH OF GUNNISON

Version: 1

10 - ROADWAY Alt Group: 0 Alt #: 0

Item Number	Description					Use Qty	Unit
022220040	Remove Asphalt Pavement					644	sq yd
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80		793+20		327.0		
SB					250.0	Road to Yuba Lake	
SB	775+20		781+19.81		67.0		
					644.0		
023160020	Roadway Excavation (Plan Quantity)					6,570	cu yd
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80		793+20		5,429.155	3264.209 FILL, 2164.946 NET	
SB	775+20		781+19.81		1,058.289	53.860 FILL, 1004.429 NET	
SB	781+90		78+320		83.0	DRAINAGE EXCAVATION	
					6,570.444		
023180020	Surface Ditch					1,640	ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NBL	782+20	LT	793+20	LT	1,100.0		
SBL	775+20	RT	780+60	RT	540.0		
					1,640.0		
026100074	18 inch Corrugated Steel Pipe Culvert, Class C					95	ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
RD-1	769+21.30	37.96 LT	769+28.42	51.17 LT	15.0		
RD-3	780+80	49.00 RT	781+60.00	49.00 RT	80.0		
					95.0		

Detailed Report
SP-0028(60)16
SR-28; NORTH OF GUNNISON

Version: 1

10 - ROADWAY **Alt Group: 0** **Alt #: 0**

Item Number	Description				Use Qty	Unit
026100078	30 inch Corrugated Steel Pipe Culvert, Class C				50	ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
RD-3	783+77.53	31.32 LT	783+55.64	51.83 LT	35.0	
RD-3	784+47	34.19 RT	784+58	44.37 RT	15.0	
					50.0	
026130030	Culvert End Sections 18 inch				3	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
RD-1	769+28.42	51.17 LT			1.0	
RD-3	780+80	49 RT			1.0	
RD-3	781+60	49 RT			1.0	
					3.0	
026130050	Culvert End Sections 30 inch				2	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
RD-3	783+77.53	31.32 LT			1.0	
RD-3	784+58	44.37 RT			1.0	
					2.0	
027050010	Asphalt Pavement Sawing				28,318	in-ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
NB	763+80		793+20		23,520.0	8 INCH THICK
SB	775+20		781+19.81		4,798.0	8 INCH THICK
					28,318.0	

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Item Number	Description					Use Qty	Unit
027210080	Untreated Base Course 3/4 inch or 1 inch Max					1,435	cu yd
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80	LT	793+20	LT	1,152.023	UBC Unit Weight= 145 b/sq ft.	
SB	775+20	RT	775+19.81	RT	182.634	UBC Unit Weight= 145 b/sq ft.	
SB	781+27	RT			100.0	Yuba Road	
					1,434.657		
027410060	HMA - 3/4 inch					1,867	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80	LT	793+20	LT	1,501.0	HMA Unit Weight= 155 lb/cu ft.	
SB	775+20	RT	775+19.81	RT	229.07	HMA Unit Weight= 155 lb/cu ft.	
SB	781+27	RT			137.0	Yuba Road	
					1,867.07		
027480010	Liquid Asphalt MC-70 or MC-250					7	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80	LT	793+20	LT	6.63	HMA Unit Weight= 249 gal/ton, 0.35gal/sq yd	
SB	775+20	RT	775+19.81	RT	0.22	HMA Unit Weight= 249 gal/ton, 0.35gal/sq yd	
SB	781+27	RT			0.1	Yuba Road	
					6.95		
027480030	Emulsified Asphalt SS-1					2	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80		793+20		2.0	One application - 235 gal/ton, 0.07gal/sq yd	
SB	775+20		781+19.81		0.1	One application - 235 gal/ton, 0.07gal/sq yd	
					2.1		

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Item Number	Description					Use Qty	Unit
027650020	Pavement Message Paint					5	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SB	778+10				1.0	RIGHT TURN ARROW	
SB	778+82				4.0	ONLY (4 LETTERS)	
					5.0		
027650030	Remove Pavement Markings					4,900	ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NBL	763+30	LT	794+00	LT	3,070.0		
SBL	763+30	RT	780+93	RT	1,763.0		
					4,833.0		
027650050	Pavement Marking Paint					99	gal
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
					1.0	YUBA LAKE ROAD STOPBAR	
SR-28	763+30.00	CENTER	780+60.00	CENTER	22.0	4" YELLOW DOUBLE SOLID LINE (160 FT/GAL)	
SR-28	763+30.00	RIGHT	781+24.31	RIGHT	11.5	4" WHITE SOLID LINE (320 FT/GAL)	
SR-28	763+30.00	LEFT	794+00.00	LEFT	19.4	4" WHITE SOLID LINE (320 FT/GAL)	
SR-28	773+20.00	LEFT	786+90.00	LEFT	17.12	8" WHITE SOLID LINE (160 FT/GAL)	
SR-28	777+20.00	RIGHT	781+19.81	RIGHT	6.2	8" WHITE SOLID LINE (160 FT/GAL)	
SR-28	781+70.00	CENTER	794+00.00	CENTER	15.4	4" YELLOW DOUBLE SOLID LINE (160 FT/GAL)	
SR-28	788+70.00	LEFT	793+20.00	LEFT	6.7	4" YELLOW DOUBLE SOLID LINE (160 FT/GAL)	
					99.32		
028220030	Right-of-Way Fence, Type D (Metal Post)					642	ft
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
RD-4	786+73	99+00 LT	787+00	115 LT	40.0		
RD-4	787+00	115LT	792+00	115.4 LT	560.0		
RD-4	792+00	115.4 LT	792+35	99+54 LT	42.0		
					642.0		

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Item Number	Description					Use Qty	Unit
028220105	Right-of-Way Brace Post					5	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
RD-4	786+73	99+00 LT			1.0		
RD-4	787+00	115 LT			1.0		
RD-4	789+50	115.60 LT			1.0		
RD-4	792+00	115.4 LT			1.0		
RD-4	792+35	99+54 LT			1.0		
					5.0		
028420010	Delineator Type I					12	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80	LT	794+00	LT	10.0	DELINEATOR-TYPE I	
SB	775+20	RT	780+60	RT	2.0		
					12.0		
028420030	Delineator - Culvert Marker					3	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
RD-1	769+31	LT			1.0		
RD-3	783+50	LT			1.0		
RD-3	783+60	RT			1.0		
					3.0		
028910010	Relocation of Sign					3	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SS-3	781+50	RT	781+50	RT	1.0	#1-R (R1-1). Refer to Std. Dwg SN-7 for Sign Offset	
SS-3	784+65	LT	784+65	LT	1.0	#2-R. (D1-1b (L). Refer to Std. Dwg SN-7 for Sign Offset	
SS-4	790+27		790+30	LT	1.0	#3-R (D10-2). Refer to Std. Dwg SN-7 for Sign Offset.	
					3.0		

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10 - ROADWAY **Alt Group: 0** **Alt #: 0**

Item Number	Description					Use Qty	Unit
028910060	Sign Type A-I, 30 inch X 30 inch					3	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SS-2	775+30	LT			1.0	#2-N (W4-2). Refer to Std. Dwg SN-7 for Sign Offset	
SS-2	777+20	RT			1.0	#1-N (R3-7R) Refer to Std. Dwg SN-7 for Sign Offset	
SS-3	780+40	RT			1.0	#3-N (R3-7R) Refer to Std. Dwg SN-7 for Sign Offset	
					3.0		
029110010	Cellulose Fiber Mulch					2	Acre
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80		794+00		1.0		
SB	775+20		780+60		1.0		
					2.0		
029220010	Drill Seed					1	Acre
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	763+80		788+60		1.0		
					1.0		
029220030	Broadcast Seed					1	Acre
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
NB	788+60		794+00		0.5		
SB	775+20		780+60		0.5		
					1.0		

XI. Special Provisions

Delete this line and insert Special Provisions on next page.

January 8, 2002

**SPECIAL PROVISION
SP-0028(60)16**

SECTION 00555 M

PROSECUTION AND PROGRESS

Add the following line 3 to paragraph 1.12 A, “Limitation of Operations:”

3. Maintain unrestricted two-way traffic at all times except as approved by the Engineer.

Add the following lines to paragraph 1.12, “ Limitation of Operations:”

- D. An Utah Pollutant Discharge Elimination System (UPDES) General Storm Water Discharge Permit is required for control of storm water discharges during construction, since the project will disturb more than 1 (one) acre of land. The development of a SWPPP and Temporary Erosion and Sediment Control Plan are required as part of the UPDES permitting process. File a Notice of Intent (NOI) with the Utah Department of Water Quality, which will serve as the application for the UPDES permit. Submit a Notice of Termination (NOT) at the end of construction in similar manner as the NOI under the review and approval of the Engineer. The NOI and NOT forms and instructions are attached and can be obtained through the State Division of Water Quality’s website:
<http://waterquality.utah.gov/updes/stormwater.htm>
- E. The contractor shall notify the following companies at least 7 days prior to construction. Inform them of the type and duration of the expected delay(s):

SUFCO MINE

Wess Sorensen

Office: 435-286-4420

Cell: 435-979-2846

Fax: 435-286-4499

E-mail: wsorensen@archcoal.com

BARNEY TRUCKING

Office: 435-529-3701

Allen Tuft

Cell: 801-209-5637

E-mail: atuft@barneytrucking.com

or

Dan Chidester

Cell: 435-830-5625

E-mail: dchidester@barneytrucking.com

Fax: 435-529-7314

ROBINSON TRANSPORT

Dan Polson

Office: 435-529-7472

Fax: 435-529-7820

E-mail: dan@haulcoal.com

UDOT REGION FOUR

Myron Lee

Office: 435-893-4702

Cell: 435-691-1836

E-mail: mlee.srr4po1.srdomain@utah.gov

STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY

288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870

NOT

Notice of Termination (NOT) for Storm Water Discharges Associated with **Construction Activity** Under the UPDES General Permit No. UTR100000. **SEE REVERSE FOR INSTRUCTIONS**

Submission of this Notice of Termination constitutes notice that the operator identified in Section II of this form is no longer authorized to discharge storm water associated with industrial activity under the UPDES program. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM.

I. Permit Information

UPDES Storm Water General Permit Number: * * * * *

Check Here if You are No Longer the Operator of the Facility: ☐

Check Here if the Storm Water Discharge is Being Terminated: ☐

II. Facility Operator Information

Name: * * * * *

Phone: * * * * *

Address: * * * * *

City: * * * * *

State: * * *

Zip: * * * * *

III. Facility Site/Location Information

Name: * * * * *

Address: * * * * *

County: * * * * *

City: * * * * *

State: * * *

Zip: * * * * *

Latitude: * * * * * Longitude: * * * * *

IV. Certification: I certify under penalty of law that either: a) all storm water discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or b) I am no longer an operator at the construction site and a new operator has assumed operational control for those portions of the construction site where I previously had operational control. I understand that by submitting this notice of termination, I am no longer authorized to discharge storm water associated with construction activity under this general permit, and that discharging pollutants in storm water associated with construction activity to waters of the State is unlawful under the State of Utah Water Quality Act where the discharge is not authorized by a UPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Water Quality Act.

Print Name:

Date:

* * * * *

* * * * *

Signature:

Instructions for Completing Notice of Termination (NOT) Form

Who May File A Notice Of Termination (NOT) Form

Permittees who are presently covered under the State issued Utah Pollutant Discharge Elimination System (UPDES) General Storm Water Permit for Construction Activity may submit a notice of termination (NOT) form when their facilities no longer have any storm water discharges associated with industrial activity as defined in the storm water regulations at UAC R317-8-3.8(b)(c) and (d), or when they are no longer the operator of the facilities.

For construction activities, elimination of all storm water discharges associated with industrial activity occurs when disturbed soils at the construction site have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with construction activity from the construction site that are authorized by a UPDES general permit have otherwise been eliminated. Final stabilization means that all soil-disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70% of the cover for unpaved areas and areas not covered by permanent structures has been established, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

Where to File NOT Form

Send this form to the following address:

Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

Completing the Form

Type or print, using upper-case letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions about this form, call the Division of Water Quality at (801) 538-6146.

Section I - Permit Information

Enter the existing UPDES Storm Water General Permit number assigned to the facility or site identified in Section III. If you do not know the permit number, contact the Division of Water Quality at (801) 538-6146.

Indicate your reason for submitting this Notice of Termination by checking the appropriate box:

If there has been a change of operator and you are no longer the operator of the facility or site identified in Section III, Check the corresponding box.

If all storm water discharges at the facility or site identified in Section III have been terminated, check the corresponding box.

Section II - Facility Operator Information

There may be more than one operator for a construction project. This form must be filled out and submitted by each of the operators listed on the notice of intent (NOI) that was submitted for receiving coverage under this permit. In this section give the legal name of the person, firm, public organization, or any other entity that is filed as an operator at the facility or site described in this application that is desiring to terminate coverage. The name of the operator may or may not be the same name as the facility. The operator of the facility is the legal entity which controls the facility's operation (referring to operation of construction activity) or a portion of it, rather than the plant or site manager of the finished or rehabilitated facility. Do not use a colloquial name. Enter the complete address and telephone number of the operator.

Section III - Facility/Site Location Information

Enter the facility's or site's official or legal name and complete address, including city, state and ZIP code and the latitude and longitude of the facility to the nearest 15 seconds of the approximate center of the site. It is preferred that the location address be the same as that which the site used in the submission of the NOI.

Section IV - Certification

State statutes provide for severe penalties for submitting false information on this application form. State regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (I) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

For a municipality, State, Federal, or other public facility: by either a principal executive officer or ranking elected official.

STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY

288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870 (801)538-6146

NOI

Notice of Intent (NOI) for Storm Water Discharges Associated with **Construction Activity** Under the UPDES General Permit No. UTR100000. **SEE REVERSE FOR INSTRUCTIONS**

Submission of this Notice of Intent constitutes notice that the party(s) identified in Section I of this form intends to be authorized by UPDES General Permit No. UTR100000 issued for storm water discharges associated with construction activity in the State of Utah. Becoming a permittee obligates such discharger to comply with the terms and conditions of the permit. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM.

I. OPERATOR INFORMATION

Name (Main operator): * * * * * Phone: * * * * *

Address: * * * * * Status of Owner/Operator: S

City: * * * * * State: * * * Zip: * * * * *

Contact Person: * * * * * Phone: * * * * *
UDOT PROJECT ENGINEER

Name (1st Co-permittee): * * * * * Phone: * * * * *

Address: * * * * * Status of Owner/Operator: ☐

City: * * * * * State: * * * Zip: * * * * *

Contact Person: * * * * * Phone: * * * * *

Name (2nd Co-permittee): * * * * * Phone: * * * * *

Address: * * * * * Status of Owner/Operator: ☐

City: * * * * * State: * * * Zip: * * * * *

Contact Person: * * * * * Phone: * * * * *

Name (3rd Co-permittee): * * * * * Phone: * * * * *

Address: * * * * * Status of Owner/Operator: ☐

City: * * * * * State: * * * Zip: * * * * *

Contact Person: * * * * * Phone: * * * * *

Please copy this form if you have more co-permittees than what is allowed on this form.

II. FACILITY SITE / LOCATION INFORMATION

Name: * * * * *

Project No. (if any): * * * * *

Address: * * * * * County: * * * * *

City: * * * * * State: * * * Zip: * * * * *

Latitude: * * * * * Longitude: * * * * *

Is the facility located
on Indian Lands?(Y or N) ☐

INSTRUCTIONS

Notice Of Intent (NOI) For Covered Under the UPDES General Permit Storm Water Discharges From Construction Activities

Who Must File A Notice Of Intent (NOI) Form

State law at UAC R317-8-3.8 prohibits point source discharges of storm water from construction activities to a water body(ies) of the State without a Utah Pollutant Discharge Elimination System (UPDES) permit. The operator of a construction activity that has such a storm water discharge must submit a NOI to obtain coverage under the UPDES Storm Water General Permit. If you have questions about whether you need a permit under the UPDES Storm Water program, or if you need information as to whether a particular program is administered by EPA or a state agency, contact the storm water coordinator at (801) 538-6146.

Where To File NOI Form

NOIs, with fee payment(s), must be sent to the following address:

Department of Environmental Quality
Division of Water Quality
P.O. Box 144870
Salt Lake City, UT 84114-4870

Completing The NOI Form

You must type or print, using upper-case letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions on this form please call the storm water coordinator at (801) 538-6146.

Beginning of Coverage

Storm Water General Permits cover a facility quickly avoiding delays, therefore coverage is immediate after NOI with submission of the permit fee. The permittee should be aware that though you may not have a permit in hand, if you have sent in a completed NOI with the permit fee you are covered by the conditions in the permit and will be expected to comply with these conditions. If you wish, contact the Division of Water Quality at (801) 538-6146 to receive a generic copy of the permit. After we receive the NOI and the permit fee we will send you an official copy of the permit with your permit number.

Permit Fees (MAKE CHECKS PAYABLE TO: DIVISION OF WATER QUALITY)

Construction projects are prorated from the time they begin disturbing ground until the time the disturbed surface is stabilized, and the permit is terminated by the permittee with a submittal of a Notice of Termination (NOT) form. Fees are prorated at \$8.34 per month of coverage needed, except a \$50 minimum and a \$500.00 maximum. **EXAMPLE: if you need 5 months of coverage: 5 x \$8.34 = \$41.70, then you will need to submit the \$50 minimum, if 18 months of coverage is needed: 18 x \$8.34 = \$150.12, your total fee will be \$150.12.** The \$500.00 maximum will provide permit coverage for five years and then expire at the end of the five year period. State or local political subdivisions are exempt from the permit fee. The fee must be received with the NOI before permit coverage is given.

General

Facilities within Salt Lake City or Salt Lake County must contact the city or county and notify them of the new permit status for the facility.

SECTION I - FACILITY OPERATOR INFORMATION

Give the legal name(s) of the person(s), firm(s), public organization(s), or any other entity(ies) that conducts the construction operation at the facility or site described in this application. The name of the operator(s) may be the developer, the owner, the general contractor, the design firm, the excavation contractor and/or others (e.g. anyone that fits the definition of operator). An operator is anyone that has control over site/project specifications and/or control of day to day operational activities. Do not use a colloquial name. Enter the complete address and telephone number of the operator(s).

Enter the appropriate letter to indicate the legal status of the operator of the facility.
F = Federal **M** = Public (other than Fed or State) **S** = State **P** = Private

SECTION II - FACILITY/SITE LOCATION INFORMATION

Enter the facility's or site's official or legal name and project number (if any) and complete street address, including city, state and ZIP code. If the facility or site lacks a street address, indicate the latitude and longitude of the facility to the nearest 15 seconds of the approximate center of the site.

Indicate whether the facility is located on Indian Lands.

If the facility is located on Indian Lands EPA form 3510-6 should be used and submitted to EPA Region VIII except for facilities on the Navajo Reservation or on the Goshute Reservation which should submit EPA form 3510-6 to Region IX.

SECTION III - SITE ACTIVITY INFORMATION

If the storm water discharges to a municipal separate storm sewer system (MS4), enter the name of the operator of the MS4 (e.g., municipality name, county name) and the receiving water of the discharge from the MS4 if it is known. (A MS4 is defined as a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is owned or operated by a state, city, town, county, district, association or other public body which is designed or used for collecting or conveying storm water).

SECTION IV - TYPE OF CONSTRUCTION

Check each type of construction that applies to this application.

SECTION V - MANAGEMENT PRACTICES

Check each type of management practices that will be used to control storm water runoff at the job site.

SECTION VI - ADDITIONAL INFORMATION REQUIRED

Enter the project start date and the estimated completion date for the entire development plan.

Provide an estimate of the total number of acres of the site on which soil will be disturbed (round to the nearest acre).

Indicate whether the storm water pollution prevention plan for the site is in compliance with approved state and/or local sediment and erosion plans, permits, or storm water management plans.

SECTION VII - CERTIFICATION

State statutes provide for severe penalties for submitting false information on this application form. State regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or

For a municipality, state, Federal, or other public facility: by either a principal executive officer or ranking elected official.

POLLUTION PREVENTION PLAN

A storm water pollution prevention plan (SWP3) is required to be in hand before the NOI can be submitted. It is important to know SWP3 requirements (contained in the permit) even during the design portion of the project. A copy of the permit can be obtained from the Division of Water Quality. Guidance material for developing a SWP3 can be obtained from EPA (NTIS) or copied from EPA material at the Division of Water Quality.

NOTICE OF TERMINATION (NOT)

A completed Notice of Termination (NOT) form is required to terminate your permit at the end of construction. Please complete the NOT form, including the project's assigned permit number, and return it to the Division of Water Quality. Please contact the storm water coordinator at (801) 538-6146 for any questions or for a copy of the NOT form.

10/30/97

III. SITE ACTIVITY INFORMATION

Municipal Separate Storm Sewer System (MS4) Operator Name: U T A H * D E P T * O F * T R A N S P O R T A T I O N * * *

Receiving Water Body: * * * * *

How far to the nearest water body? * * * * * ft. miles. (circle one)

List the Number of any other UPDES permits at the site: * * * * * * * * * *

IV. TYPE OF CONSTRUCTION (Check all that apply)

1. ☐ Residential 2. ☐ Commercial 3. ☐ Industrial 4. ☐ Road 5. ☐ Bridge 6. ☐ Utility 7. ☐ Contouring, Landscaping

8. ☐ Other (Please list) * * * * *

V. MANAGEMENT PRACTICES

Identify proposed Best Management Practices (BMPs) to reduce pollutants in storm water discharges: (Check all that apply)

1. ☐ Silt Fences 2. ☐ Sediment Pond 3. ☐ Seeding/Preservation of Vegetation 4. ☐ Mulching/Geotextiles 5. ☐ Check Dams 6. ☐ Structural Controls (Berms, Ditches, etc.)

7. ☐ Other (Please list) * * * * *

VI. ADDITIONAL INFORMATION REQUIRED

I certify under penalty of law that I have read and understand the *Part I.B.* eligibility requirements for coverage under the general permit for storm water discharges from construction activities.

I further certify that to the best of my knowledge in Compliance with State requirements of *Part I.B.* , and *Part III.* of this permit.

Project Start Date: * * * * * Completion Date: * * * * * Estimated Area to be Disturbed: (in Acres): * * * * *

A storm water pollution prevention plan has been prepared for this site and is to the best of my knowledge in Compliance with State and/or Local Sediment and Erosion Plans and Requirements.

* * * * * (Y or N) ☐ (A pollution prevention plan is required to be on hand before submittal of the NOI)

VII. CERTIFICATION:

I certify under penalty of law that I have read and understand the *Part I.B.* eligibility requirements for coverage under the general permit for storm water discharges from construction activities.

I further certify that to the best of my knowledge, all discharges and BMPs that have been scheduled and detailed in a pollution prevention plan will satisfy requirements of *Part I.B.* , and *Part III.* of this permit.

I understand that continued coverage under this storm water general permit is contingent upon maintaining eligibility as provided for in *Part I.B.*

I also certify under penalty of law that this document and all attachments were prepared under the direction or supervision of those who have place their signature below, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name (of responsible person for the main operator from first page): * * * * * Date: * * * * *

Signature: _____

Print Name (of responsible person for the 1st co-permittee from first page): * * * * * Date: * * * * *

Signature: _____

Print Name (of responsible person for the 2nd co-permittee from first page): * * * * * Date: * * * * *

Signature: _____

Print Name (of responsible person for the 3rd co-permittee from first page): * * * * * Date: * * * * *

Signature: _____

Amount of Permit Fee Enclosed: \$ _____

7 of 7

January 21, 2003

**SPECIAL PROVISION
PROJECT No. SP-0028(60)16**

SECTION 01575S

INVASIVE WEED CONTROL

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Weed species subject to control are listed on the Utah State Noxious Weed List, the county(s) weed list based on the project location, and any other additional species listed in the specifications. Project documents list which weeds are likely to be found on the project site. The Utah State Noxious Weed List and each county's weed list is attached.

1.2 RELATED SECTIONS

- A. Section 02912: Topsoil.
- B. Section 02922: Seed, Turf Seed, and Turf Sod.
- C. Section 02936: Vegetation Establishment Period.

1.3 PAYMENT PROCEDURES

- A. Include payment for cleaning earthmoving construction equipment under mobilization.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

3.1 CLEANING EQUIPMENT

- A. Using high pressure water blasting or steam cleaning methods, clean all earthmoving construction equipment (scrapers, bulldozers, excavators, backhoes, trenchers) of dirt, mud and seed residue before initially entering the project.

3.2 PREPARATION

- A. Avoid any unnecessary disturbance of project areas known to be infested with noxious weeds.
- B. Minimize soil disturbance within right-of-way.
1. Keep all construction operations within slope stake limits.
 2. If soil disturbance outside slope stake limits is necessary, observe the following:
 - a. Keep disturbed area to a minimum.
 - b. Monitor and control disturbed areas and topsoil stockpiles for growth of weeds species subject to control.
 - c. Revegetate in accordance with the landscape plans or other project specifications when disturbance is no longer necessary.

3.3 CONTROLLING INVASIVE WEEDS

- A. Noxious Weed Table:

Utah State Noxious Weeds		
Common Name	Scientific Name	Herbicide
Bermudagrass*	<i>Cynodon dactylon</i>	glyphosate
Bindweed	<i>Convolvulus spp.</i>	Dicamba+2,4-d or picloram
Broad-leaved Peppergrass	<i>Lepidium latifolium</i>	metsulfuron or chlorsulforn
Canada Thistle	<i>Cirsium arvense</i>	2,4-D, dicamba, picloram
Diffuse Knapweed	<i>Centaurea diffusa</i>	2,4-D+dicamba or picloram or clopyralid
Dyers Woad	<i>Isatis tinctoria</i>	2,4-D+dicamba or chlorsulfuron
Perennial Sorghum spp (Johnsongrass)	<i>Sorghum halepense, Sorghum Alnum</i>	glyphosate

Leafy Spurge	<i>Euphorbia esula</i>	dicamba or picloram
Medusahead	<i>Taeniatherum caput-medusa</i>	glyphosate
Musk Thistle	<i>Carduus nutans</i>	2,4-D amine, metsulfuron or picloram
Purple Loosestrife	<i>Lythrum salicarial</i>	glyphosate (Rodeo Aquatic label)
Quackgrass	<i>Agropyron repens</i>	Glyphosate
Russian Knapweed	<i>Centaurea repens</i>	Picloram or clopyralid or chlorsulfuron
Scotch Thistle	<i>Onopordium acanthium</i>	2,4-D amine, metsulfuron or picloram
Spotted Knapweed	<i>Centaurea maculosa</i>	2,4-D+dicamba, picloram or clopyralid
Squarrose Knapweed	<i>Centaurea squarrosa</i>	Picloram
Whitetop	<i>Cardaria spp</i>	2,4-D+dicamba or chlorsulfuron
Yellow Starthistle	<i>Centaurea solstitialis</i>	picloram or clopyralid
*Bermudagrass (<i>Cynodon dactylon</i>) shall not be a noxious weed in Washington County		
County Noxious Weeds		
Cache County		
Common Name	Scientific Name	Herbicide
Goatsrue	<i>Galega officinalis</i>	2,4-D+dicamba
Poison Hemlock	<i>Conium maculatum</i>	2,4-D+dicamba
Puncture Vine	<i>Tribulus terrestris</i>	2,4-D+dicamba
Carbon County		
Common Name	Scientific Name	Herbicide
Russian Olive	<i>Elaeagnus angustifolia</i>	2,4-D, dicamba, or glyphosate
Davis County		
Common Name	Scientific Name	Herbicide
Poison Hemlock	<i>Conium maculatum</i>	2,4-D+dicamba
Buffalobur	<i>Solanum rostratum</i>	2,4-D+dicamba
Yellow Nutsedge	<i>Cyperus esculentus</i>	glyphosate
Duchesne County		

Common Name	Scientific Name	Herbicide
Russian Olive	<i>Elaeagnus angustifolia</i>	2,4-D, dicamba, or glyphosate
Grand County		
Common Name	Scientific Name	Herbicide
Purple Loosestrife	<i>Lythrum salicarial</i>	glyphosate (Rodeo Aquatic label)
Juab County		
Common Name	Scientific Name	Herbicide
Water Hemlock	<i>Cicuta maculata</i>	2,4-D, or dicamba
Kane County		
Common Name	Scientific Name	Herbicide
Poison Hemlock	<i>Conium maculatum</i>	2,4-D+dicamba
Rich County		
Common Name	Scientific Name	Herbicide
Black Henbane	<i>Hyoscyamus niger</i>	2,4-D+metsulfuron
San Juan County		
Common Name	Scientific Name	Herbicide
Silverleaf Nightshade	<i>Solanum elaeagnifolium</i>	Imazapyr or glyphosate
Buffalobur	<i>Solanum rostratum</i>	2,4-D or dicamba
Whorled Milkweed	<i>Asclepias subverticillata</i>	2,4-D or dicamba
Sanpete County		
Common Name	Scientific Name	Herbicide
Houndstonge	<i>Cynoglossum officinale</i>	2,4-D or dicamba
Uintah County		
Common Name	Scientific Name	Herbicide
Russian Olive	<i>Elaeagnus angustifolia</i>	2,4-D, dicamba, or glyphosate
Purple Loosestrife	<i>Lythrum salicarial</i>	glyphosate (Rodeo Aquatic label)
Washington County		
Common Name	Scientific Name	Herbicide
Poison Milkweed	<i>Asclepias subverticillata</i>	2,4-D, or dicamba

Weber County		
Common Name	Scientific Name	Herbicide
Puncture Vine	<i>Tribulus terrestris</i>	2,4-D+dicamba
Use rates: Use rates for herbicides vary, follow the use rate on the LABEL for each herbicide		

END OF SECTION

Special Provision

Project No. SP-0028(60)16

SECTION 02610M

PIPE CULVERTS

Add the following to Part 1:

1.4 ACCEPTANCE CRITERIA

- A. At a minimum, UDOT evaluates the following criteria for the acceptance of pipe culverts on the project. The Engineer selects and evaluates any or all culverts from the following criteria and approves any proposed correction procedures.
 - 1. Line and grade:
 - a. Culverts not to exceed the line and grade tolerances shown in Table A.
 - b. Measure deviations from the final staked locations surveyed in the construction process.
 - c. Correct defects in line and grade along the entire length of the culvert.
 - d. Engineer approves accepted deviations from line and grade greater than those allowed in Table A.
 - 2. Barrel distortion:
 - a. Culvert barrels not to exceed the tolerances shown in Table A.
 - b. Distortion of the pipe is measured along a straight line through the centerline of a pipe.
 - 3. Pipe culvert damage: Irregular or distorted in shape, has cracks, dents, holes, splits, or loose nuts or bolts.
 - 4. Joints: Not to be poor fitting, contain uneven laps, or show signs of leaking.
 - a. Furnish a Certificate of Compliance from the manufacturer of the type specified.
 - b. Install according to suppliers recommended procedures.
 - 5. Coatings: Furnish a Certificate of Compliance from the manufacturer for the pipe Class specified. The Department takes a representative sample from each lot furnished to conduct verification testing.

Table - A TOLERANCES				
Alignment Tolerances			Gradual Ovaling or Elliptical Distortions	
Design Grade	Max. Line Deviation	Max. Grade Deviation	Nominal Pipe Diameter *	Maximum Distortions **
	inch/100 ft	inch/100 ft	inch	inch
$\geq 3 \%$	<u>1</u>	$\frac{1}{4} \pm$	18	$\pm 0 - \frac{7}{8}$
$> 2 \%$	<u>$\frac{3}{4}$</u>	$\frac{1}{5} \pm$	24	$\pm 1 - \frac{1}{4}$
$\leq 2 \%$	<u>$\frac{1}{2}$</u>	$\frac{1}{8} \pm$	30	$\pm 1 - \frac{1}{2}$
			36	$\pm 1 - \frac{7}{8}$
			42	± 2
			48 \pm	$\pm 2 - \frac{3}{8}$
Notes- For nominal culvert diameters larger than 48 inch, <u>use measured diameter to calculate 5 percent allowable distortion.*</u> <u>Maximum distortions are used to define dimensions associated with allowable pipe deflections. Measure directly or by use of a mandrel test**</u>				

January 23, 2003

SPECIAL PROVISION

PROJECT No SP-0028(60)16

SECTION 02613 M

CULVERT END SECTIONS

Delete Section 3.1. A and replace with the following:

- A. Use metal culvert end sections on all pipe culvert types.

August 12, 2002

SPECIAL PROVISION

Project No. SP-0028(60)16

SECTION 02742 S

PROJECT SPECIFIC SURFACING REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Required PG Asphalt or emulsion.
- B. Number of gyrations to use for Superpave Mix Design.

PART 2 PRODUCTS

2.1 MIXES

- A. Hot Mix Asphalt (HMA): (Refer to bid item for size)
 - 1. PG 64-34 Asphalt.
 - 2. N_{initial} __ 8/<89 ____ N_{design} __ 100/96 ____ N_{final} __ 160/<98 ____
- B. Open-Graded Surface Course:
 - 1. PG _____ Asphalt.
- C. Chip Seal
 - 1. Type of asphalt emulsion _____

PART 3 EXECUTION Not used.
END OF SECTION

August 15, 2002

**SPECIAL PROVISION
PROJECT# SP-0028(60)16**

SECTION 02765S

PAVEMENT MARKING PAINT

Delete Section 02765 and replace with the following:

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Furnish Acrylic Water Based pavement marking paint meeting Federal Specification TTP-1952 D. And refer to 2.1 for resin requirement.
- B. Apply to asphaltic or concrete pavement as edge lines, center lines, broken lines, guide lines, symbols and other related markings.
- C. Remove pavement markings.

1.2 REFERENCES

- A. AASHTO M 247: Glass Beads Used in Traffic Paint.
- B. ASTM D 562: Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using the Stormer-Type Viscometer.
- C. ASTM D 711: No-Pick-Up Time of Traffic Paint.
- D. ASTM D 2205: Selection of Tests for Traffic Paints
- E. ASTM D 2743: Uniformity of Traffic Paint Vehicle Solids by Spectroscopy and Gas Chromatography.
- F. ASTM D 3723: Pigment Content of Water-Emulsion Paints
- G. ASTM D 3960: Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings.
- H. ASTM D 4451: Pigment Content of Paints
- I. ASTM D 5381: X-Ray Fluorescence (XRF) Spectroscopy of Pigments and Extenders.
- J. Federal Standards 595B, 37875, 33538, 11105 and TTP-1952 D.

1.3 ACCEPTANCE

- A. UDOT ENGINEER:
1. Randomly samples pavement marking paint and submits to Central Chemistry Lab for acceptance.
 2. Randomly generates the location of each test and removes all loose or excess beads from the line prior to testing.
 3. Visually inspects each line to verify bead adhesion and compliance with specified line dimensions requirements.
 4. Verifies that the paint and beads are being applied within specified tolerances a minimum of once each production day.
 5. Verify quantities used by measuring both paint and bead tanks prior to and after application.
- B. Repaint any line or symbol failing to meet bead adherence and dimensional requirements.
- C. Repaint any line or symbol failing to meet the minimum application requirements for paint or beads.

PART 2 PRODUCTS

2.1 PAINT

- A. Choose an approved pavement marking paint from the UDOT Research Division “Accepted Products Listing.” Follow Federal Standards 595B, 37875, 33538, and 11105. Meet the following requirements for Acrylic Water Based Paint:

CIELAB (L*a*b*) D65/109		
White	Yellow	Red
L* 91.9 to 95.6	L* 70.0 to 72.7	L* 31.4 to 33.4
a* -1.8 to -2.1	a* 22.5 to 24.8	a* 51.6 to 52.6
b* 3.8 to 2.2	b* 89.7 to 73.9	b* 34.1 to 35.1

1. No-track time: Not more than 5 minutes when tested according to ASTM D 711.
2. Volatile Organic Compounds Content: Less than 1.25 lbs/gal ASTM D 3960.

3. Free of lead, chromium, or other related heavy metals ASTM D 5381.
4. Pigment: Percent by weight: Acrylic Water Based minimum of 62.0 ± 2.0 ASTM D 3723.
5. Total Solids: Percent by weight: Acrylic Water Based minimum of 77.0 ASTM D 2205.
6. Acrylic water based paint must contain a minimum of 40 percent, by weight, 100 percent acrylic cross-linkable emulsion as determined by infrared analysis and other chemical analysis available to UDOT. ASTM D 2205
7. ASTM D 562, ASTM D 2743, ASTM D 4451 and ASTM D 5381: Tests used to verify paint samples meet "Accepted Products Listing".

2.2 GLASS SPHERE (BEADS) USED IN PAVEMENT MARKING PAINT

- A. Specific Properties:
 1. Meet AASHTO M 247.
 2. Meet type II, uniform gradation.

PART 3 EXECUTION

3.1 PREPARATION

- A. Line Control.
 1. Establish control points at 100 ft intervals on tangent and at 50 ft intervals on curves.
 2. Maintain the line within 2 inches of the established control points and mark the roadway between control points as needed.
 - a. Remove paint that is not placed within tolerance of the established control points and replace at no expense to the Department. Refer to article 3.4
- B. Remove dirt, loose aggregate and other foreign material and follow manufacturer's recommendations for surface preparation.

3.2 APPLICATION

- A. Pavement Marking Paint: Apply at the following rates:
 1. 4 inch Solid Line: From 270 to 350 ft/gal
 2. 4 inch Broken Line: From 1080 to 1400 ft/gal
 3. 8 inch Solid Line: From 135 to 175 ft/gal
- B. Replace pavement markings that are less than 14 wet mils in thickness.
- C. No payment for pavement markings placed in excess of 18 wet mils in thickness.
- D. Painted Legends and Symbols 1 gallon per 100 square feet.

- E. Glass Sphere (Beads): Apply a minimum of 8 lbs/gal of paint, the full length and width of line and pavement markings.
- F. Begin striping operations no later than 24 hours after ordered by the Engineer.
- G. At time of application apply lines and pavement markings only when the air and pavement temperature are:
 - 1. 50 degrees F and rising for Acrylic Water Based Paint.
- H. Comply with Traffic Control Drawing TC16

3.3 CONTRACTOR QUALITY CONTROL

- A. Application Rate: Verify that the paint and beads are being applied within specified tolerances prior to striping.

3.4 REMOVE PAVEMENT MARKINGS

- A. Use one of these removal methods:
 - 1. Grinding
 - 2. High pressure water spray
 - 3. Sand blasting
 - 4. Shot blasting.
- B. Use equipment specifically designed for removal of pavement marking material.

END OF SECTION